RCA

D52120
D61120

TELEVISION

HDTV | monitor

GUIDE plus+™ GOLD [1]
GEMSTAR

# 52/61" diagonal Digital High-Definition Projection Monitors

- HDTV Monitor[2]:
  – 1080i Capable
  – 1232 x 1080i Pixel Resolution
- Progressive Scan Up Conversion
- Anamorphic Mode
- Up to 1.3 Million Pixels
- INTELLIFOCUS™ Auto Convergence
- 3D Y/C Digital Frame Comb Filter
- Advanced Twin Tuner™ Picture-In-Picture (NTSC Only)
- SYNCROSCAN™ HD Component Video Inputs
- SRS Focus[3] Audio Technology
- Six Sets of Audio/Video Inputs
- GUIDE Plus+ GOLD[1] On-Screen Program Guide
- Built-In Screen Protector

RCA

Changing Entertainment. Again.

www.rca.com

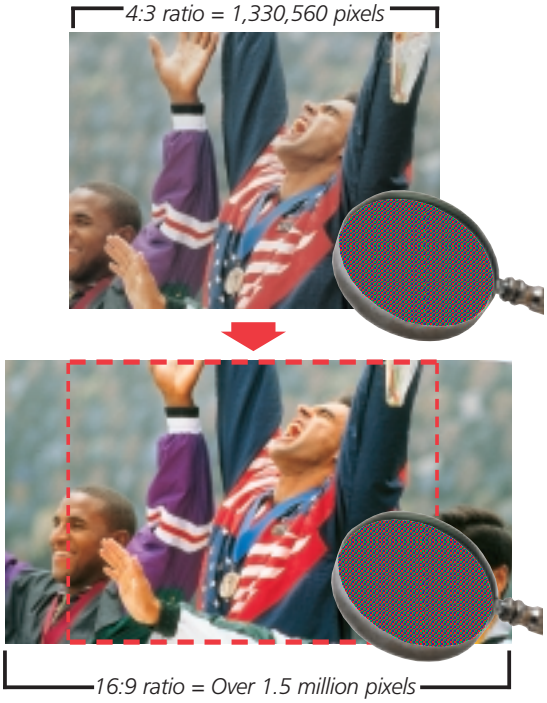
# D52120/D61120

## Picture

RCA Model DTC100

**Combining the HDTV-ready Digital High-Definition Monitor with a DTC100 High-Definition Digital Receiver will provide you an HDTV-quality picture.**

Within the monitor's 4:3 aspect ratio viewing area, you receive the same pixel resolution inch for inch as with a 16:9 HDTV.




**The RCA Digital High-Definition Monitor is our most versatile TV ever.**

The RCA brand has always offered innovative technologies to enhance your home entertainment experience. The RCA Digital High-Definition Monitor lives up to this commitment by offering outstanding picture performance and multiple connectivity options. This is the perfect vehicle to help you make the transition into the world of HDTV. The RCA Digital High-Definition Monitor can display 1080i (interlaced) television signals (1,330,560 pixels) when you combine this television with an RCA DTC100 HD/Digital Receiver. In addition, with its six sets of audio and video inputs the RCA High-Definition Monitor has much more to offer outside the world of HDTV. It's the perfect display for analog, digital and HDTV broadcasts, digital satellite receiver, video games, DVD player and your VCR—and they can all be connected at the same time!

### High Performance Video System

- **Progressive Scan Up Conversion**
  The new RCA HDTV|monitor series employs motion adaptive up conversion using spatial and temporal filtering to de-interlace NTSC video. This process digitally combines two fields of data into one high-resolution image frame.
- **Anamorphic Mode**
  The new RCA HDTV|monitor series decodes an Anamorphically encoded digital signal (DVD for example) allowing for maximum horizontal lines of resolution to be displayed.
- **INTELLIFOCUS™ Auto Convergence**
  Menu-selectable option that automatically adjusts the TV's convergence using eight optical sensors mounted around the inside of the screen. It results in the sharpest picture possible with corner-to-corner clarity that has to be seen to be believed.
- **SYNCROSCAN™ HD Component**
  Automatically adjusts scan rate of component video inputs (Y-Pr-Pb). Allows for connection of regular- or progressive-scan DVD players or component-output HDTV set-top boxes.
- **Custom-Designed 5-Element Lens System with Color Correction**
  Provides a brighter picture with improved corner focus and overall video resolution. An integrated thermal focus control ensures accurate pinpoint focus by eliminating heat-related lens movement.
- **Digital Focus**
  Computer-aligned ten-bit digital circuitry provides precise and consistent picture performance from the moment the TV is turned on. Combined with Dynamic Focus, it maximizes picture brightness with sharper corner focus, ensuring a beautifully detailed picture across the entire screen.
- **3D Y/C Digital Frame Comb Filter**
  The ultimate in color separation—this three-dimensional filter evaluates both current and future video information, eliminating dot and edge crawl, while providing for better transitions between scene changes—resulting in a dramatically enhanced picture.
- **Hi-Gain Dark-Tint Screen—25% Improved Brightness**
  New screen design improves brightness by 25% while utilizing dark-tint double lenticular and fresnel levels to enhance picture contrast with blacker blacks, brilliant whites, and deep rich colors.
- **High Performance Video Amplifier**
  Delivers high resolution and clarity by extending the video frequency response. Optimizes performance from high-resolution sources such as the RCA®-DIRECTV™ System, DVD players, and S-Video signals (S-VHS, Hi8).
- **Dynamic Focus**
  Improves corner and edge focus for an overall sharper picture.
- **Dynamic BlackStretch Circuitry**
  Extends black levels in bright scenes to enhance contrast and detail.
- **Deluxe Shielded Tuner with 181-Channel Tuning Capability[4]**
  Special shielding dramatically reduces ghosting caused from off-air pick-up when watching cable channels. Digitally-controlled frequency synthesis tuning system "locks on" to cable and standard signals with unsurpassed accuracy.
- **High Performance Scan Velocity Modulation (SVM)**
  Improved SVM circuitry automatically varies the scanning speed of the picture tube's electron beam to improve sharpness and detail, especially in high-contrast areas.
- **Adjustable Color Warmth**
  Customer-selectable color temperature system allows for background color balance adjustment of the picture to -personal preference. Setting choices are Cool, Warm, or Normal. Warm = NTSC standard of 6500°K.

## Sound

- **SRS (●) Focus[3] Audio Technology**
  Ingenious new technology from SRS (●) Labs. Raises the sound stage to ear level providing more lifelike audio. It creates a fully immersive "live performance" listening experience.
- **Broadcast Stereo with dbx[5] Noise Reduction**
  Improves the clarity and fidelity of stereo broadcasts by restoring dynamic range and suppressing unwanted noise.
- **Front-Fired Speaker System**
  Front-fired speakers offer 10 watts per channel of audio power. Provide excellent imaging while localizing voices at the screen.
- **Second Audio Program (SAP)**
  Decodes the second audio program available on some broadcasts.

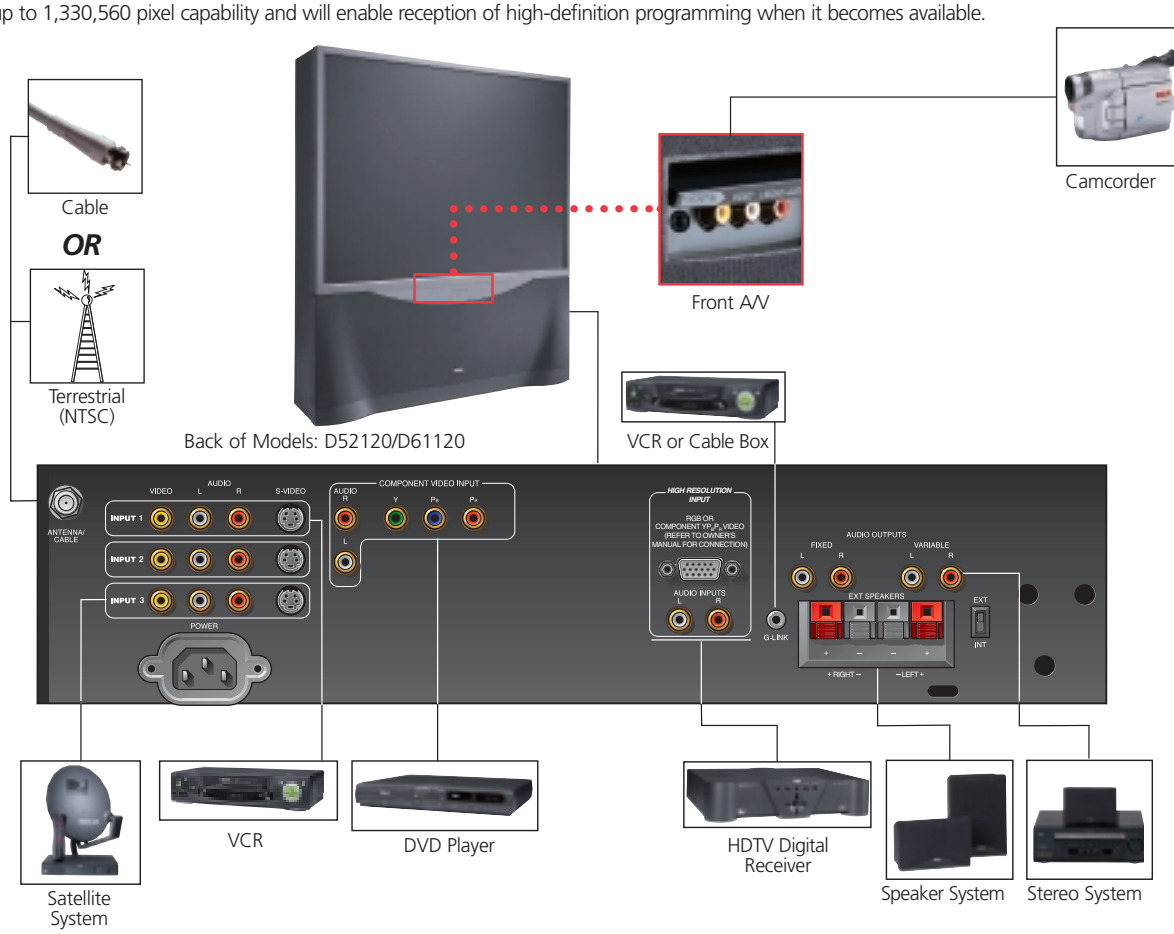
## Remote

- **Universal Backlit Remote CRK76TVL1**

## Connections

### Connects Your World For Today And Tomorrow

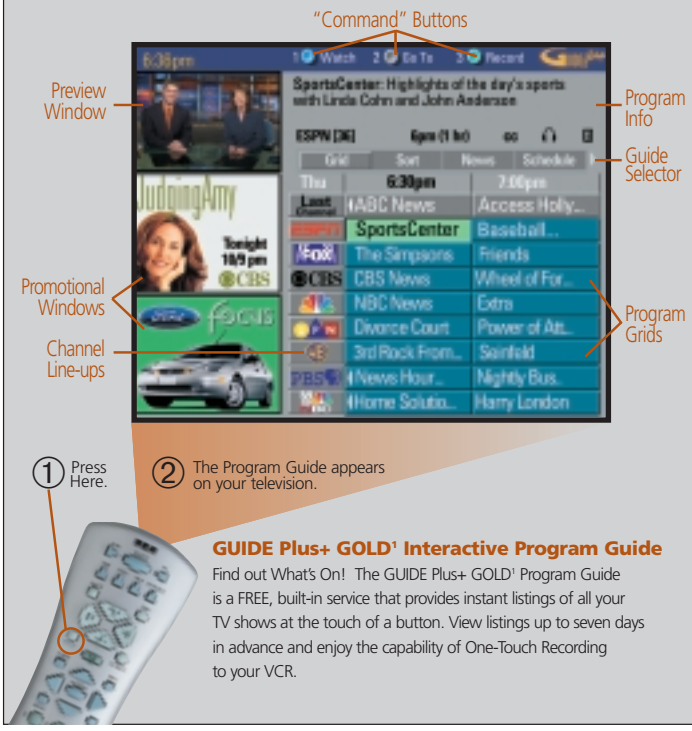
To maximize the performance of the Digital High-Definition Monitor, connect an RCA®-DIRECTV™ System. And the addition of the RCA DTC100 HDTV Digital Receiver provides up to 1,330,560 pixel capability and will enable reception of high-definition programming when it becomes available.




- **Six Sets of Audio/ Video Inputs!**
  –3 A/V composite inputs each with auto-detectible S-Video input.
  –1 set SYNCROSCAN™ HD component video inputs (YPrPb) allows for connection of regular- or progressive-scan DVD players or component-output HDTV set-top boxes.
  –1 set audio/video inputs located on front panel.
  –1 high-resolution SYNCROSCAN™ input accepts either RGB or YPrPb.
- **Audio/Video Outputs**
  –1 pair fixed audio outputs (provides constant level output for recording or for stereo system with its own remote).
  –1 pair variable audio outputs (the output audio level changes with TV's remote).
  –1 set of speaker jacks for external speakers.
- **G-LINK[1] Connector**
  The G-LINK[1] connector allows the GUIDE Plus+ GOLD[1] Program Guide to work with your VCR (enabling one-touch record) and/or cable box (ability to tune directly to a station when the program guide is on your TV screen).

# Convenience

## WHAT'S ON TV! Tonight, Tomorrow and the Next Day!




### GUIDE Plus+ GOLD[1] Interactive Program Guide

Find out What's On! The GUIDE Plus+ GOLD[1] Program Guide is a FREE, built-in service that provides instant listings of all your TV shows at the touch of a button. View listings up to seven days in advance and enjoy the capability of One-Touch Recording to your VCR.

## 2 ways to find your programs

### The Grid Guide

Using your remote, easily scroll through current or future TV listings to see what's on. As each program is highlighted, an informative summary appears in the Program Info area.

### The Sort Guide

Find your favorite sports, movies, or kids' programs, for up to seven days in advance, instantly with the Sort Guide.

### And The Benefit of One-Touch Record*

Even if your VCR is flashing 12:00, the GUIDE Plus+ GOLD[1] Program Guide can record your favorite shows. Simply use your remote to highlight the program you want to record, set it to record and the GUIDE Plus+ GOLD[1] Program Guide does the rest! You can even set shows to record daily and weekly!

*compatible with most VCRs

### MSNBC News Guide

Check out up-to-date national and world news stories from MSNBC in the News Guide. Comprehensive coverage includes business, sports, and entertainment news.

- **INTELLIFOCUS™ Auto Convergence**
  Menu-accessible feature automatically optimizes convergence for the sharpest picture possible.
- **Advanced Twin Tuner™ Picture-In-Picture**
  Two built-in, independent tuning systems allow both large-picture and small-picture viewing without the need for a second external source (eg. VCR). In addition to standard RCA features of swap, the Twin Tuner™ PIP System also provides:
  **–Continuous Move**
  Permits placement of the small picture anywhere on the screen.
  **–Commercial Skip-to-PIP**
  This exclusive RCA feature allows the main picture to move to the PIP window simultaneously with the activation of an on-screen countdown timer. The viewer can then monitor the original program while browsing through other channels during commercial breaks.
- **Picture Reset**
  Instantly returns picture to factory settings for Color, Tint, Contrast, Brightness, and Sharpness.
- **Personal Picture Settings**
  Favorite settings for each set of inputs can be programmed into memory.
- **Built-In Screen Protector**
  Protects screen against marks, scratches and other damage. Brightens color and contrast for enhanced TV viewing.
- **Advanced Auto Channel Search**
  Auto Cable/Air Switch sets tuner to cable or "off-air" frequencies during initial setup. Then system automatically scans for and locks active channels into channel memory.
- **On-Screen Menu System**
  On-screen displays make it easy to adjust more picture, sound, and convenience features from either the remote control or the TV front panel buttons.
- **Interactive Setup Menu**
  Convenient on-screen menu system automatically steps user through the initial setup procedures.
- **Channel Labeling**
  Assign on-screen characters to easily identify channels (e.g. NBC, HBO, ESPN, VH-1).
- **Front Panel Lockout**
  Completely disables front panel controls to prevent toddlers from altering settings.
- **V-Chip Parental Control**
  Puts control back into the hands of the viewer by blocking unwanted television broadcasts with U.S. Government required circuitry. Blocks three types of programs: regular television programs, broadcast movies and unrated programs.
  Program rating information is sent by the broadcaster continuously during the program. The television will match program rating to user preference and block the entire program (when program is aired with the encoded signal). User preference is secured using a four-digit password.

| Model | D52120 | D61120 |
|---|---|---|
| **Picture** | | |
| Hi-Gain, Dark-Tint Screen | Yes | Yes |
| Progressive Scan | Yes | Yes |
| Dynamic Focus | Yes | Yes |
| Scan Velocity Modulation | Yes | Yes |
| Anamorphic Mode | Yes | Yes |
| Comb Filter | 3D Y/C Digital Frame | 3D Y/C Digital Frame |
| Auto Color Control | Color Level & Tint | Color Level & Tint |
| BlackStretch | Yes | Yes |
| Color Detail Enhancement | Yes | Yes |
| Wide Band Video Amplifier | Yes | Yes |
| Video Noise Reduction | Yes | Yes |
| Calibrated Color Temperature | 6500 & 9300 Kelvin | 6500 & 9300 Kelvin |
| **SYNCROSCAN™ Modes** | | |
| NTSC | 15.7kHz/30Hz Interlaced | 15.7kHz/30Hz Interlaced |
| Digital TV Mode | 1080 Interlaced | 1080 Interlaced |
| **Horizontal Resolution** | | |
| Lines Per Picture Height | 924 | 924 |
| Lines Per Picture Width | 1232[6] | 1232[6] |
| **Sound** | | |
| Audio Power (Watts) Total | 20 (10 Watts/Ch) | 20 (10 Watts/Ch) |
| dbx[5] Broadcast Stereo | Yes | Yes |
| Second Audio Program | Yes | Yes |
| SRS ⓘ Sound Retrieval System[3] | SRS ⓘ Focus | SRS ⓘ Focus |
| Speakers | 2 – 5" x 7" Full Range and 2 – 2" Tweeters | 2 – 5" x 7" Full Range and 2 – 2" Tweeters |
| **Convenience** | | |
| INTELLIFOCUS™ Auto Convergence | Yes | Yes |
| Channel Tuning Capability[4] | 181 | 181 |
| Twin-Tuner™ Picture-In-Picture | Yes | Yes |
| PIP Swap And Move | Yes | Yes |
| Channel Labeling | Yes | Yes |
| V-Chip Parental Control | Yes | Yes |
| GUIDE Plus+ GOLD[1] with News | Yes | Yes |
| Stereo Headphone Jack | 3.5mm Stereo Mini-Jack | 3.5mm Stereo Mini-Jack |
| Front A/V Input | Composite, L/R Audio | Composite, L/R Audio |
| Universal Remote | Backlit | Backlit |
| **Back Panel Inputs/Outputs** | | |
| A/V Inputs | 3 – S-Video / Composite, L /R | 3 – S-Video / Composite, L /R |
| SYNCROSCAN™ HD Component Video Input | YPrPb (RCA Jacks): 15.7 – 37.7 kHz | YPrPb (RCA Jacks): 15.7 – 37.7 kHz |
| UHF/VHF, Cable Input | 75-OHM Terminal | 75-OHM Terminal |
| High-Definition Input | 15-Pin D-SUB/YPrPb/RGB | 15-Pin D-SUB/YPrPb/RGB |
| Audio Output Jacks | Fixed & Variable | Fixed & Variable |
| External Speaker Terminals | 1 Pair | 1 Pair |
| **User Adjustments** | Adjustable Via On-Screen Menu | Adjustable Via On-Screen Menu |
| Basic Adjustments | Cont, Col, Tint, Blk Level, Sharp. | Cont, Col, Tint, Blk Level, Sharp. |
| Advanced Adjustments | Noise Filt., Color Temp. | Noise Filt., Color Temp. |
| Audio | Bass, Treb., Bal., Vol., Mute | Bass, Treb., Bal., Vol., Mute |
| **General Specifications** | | |
| Screen Size (measured diagonally) | 52" | 61" |
| Product Dimensions (H x W x D) | 51½" x 44⅜" x 25" | 61¼" x 51½" x 25¾" |
| Approximate Shipping Weight | 278 Lbs. | 305 Lbs. |
| Finish | Silver Shark/Charcoal | Silver Shark/Charcoal |

## Plus

- **Limited Warranty**
  - One year for labor charges.
  - One year for parts.
  - Two years for picture tube.
  - See RCA dealer or visit www.rca.com for complete details.

**D52120**

1 GUIDE Plus+ GOLD and G-LINK are trademarks of Gemstar-TV Guide International, Inc.
2 HD/Digital receiver required to receive digital TV signals.
3 SRS, the SRS symbol, Focus and Sound Retrieval System are registered trademarks of SRS Labs, Inc.
4 Check your cable company's compatibility requirements.
5 dbx is a registered trademark of Carillon Electronics Corporation.
6 Lines per picture width, 924 lines based on EIA measurement criteria.

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www.rca.com

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